

TATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PUBLIC NOTICE NO. 20210708 – IN0023795 – D
DATE OF NOTICE: JULY 8, 2021
DATE RESPONSE DUE: AUGUST 9, 2021

The Office of Water Quality proposes the following NPDES DRAFT PERMIT:

MINOR – MODIFICATION

MONROE CITY (town) WWTP, Permit No. IN0023795, KNOX COUNTY, State Road 61 & County Road 1000 SE, Monroe City, IN. This modification reflects the installation of improvements at the facility and the elimination of Sanitary Sewer Overflow (SSO) #002. Permit Manager: Rene Lloyd, 317/233-1164, rlloyd@idem.in.gov. Posted online at <https://www.in.gov/idem/6408.htm>.

PROCEDURES TO FILE A RESPONSE

Draft can be viewed or copied (10¢ per page) at IDEM/OWQ NPDES PS, 100 North Senate Avenue, (Rm 1203) Indianapolis, IN, 46204 (east end elevators) from 9 – 4, Mon - Fri, (except state holidays). A copy of the Draft Permit is on file at the local County Health Department. Please tell others you think would be interested in this matter. For your rights & responsibilities see: Public Participation Guide: <http://www.in.gov/idem/5474.htm> or Citizens' Guide to IDEM: <https://www.in.gov/idem/6900.htm>.

Response Comments: The proposed decision to issue a permit is tentative. Interested persons are invited to submit written comments on the Draft permit. All comments must be postmarked no later than the Response Date noted to be considered in the decision to issue a Final permit. Deliver or mail all requests or comments to the attention of the Permit Writer at the above address, (mail code 65-42 PS).

To Request a Public Hearing:

Any person may request a Public Hearing. A written request must be submitted to the above address on or before the Response Date noted. The written request shall include: the name and address of the person making the request, the interest of the person making the request, persons represented by the person making the request, the reason for the request and the issues proposed for consideration at the Hearing. IDEM will determine whether to hold a Public Hearing based on the comments and the rationale for the request. Public Notice of such a Hearing will be published in at least one newspaper in the geographical area of the discharge and sent to anyone submitting written comments and/or making such request and whose name is on the mailing list at least 30 days prior to the Hearing.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno Pigott
Commissioner

July 8, 2021

VIA ELECTRONIC MAIL

Mr. Matt Powell, President
Town Council of Monroe City
P.O. Box 163
Monroe City, IN 47557

Dear Mr. Powell:

Re: Draft Modification of NPDES Permit
No. IN0023795 for the Town of Monroe City
Wastewater Treatment Plant
Knox County

Your request for permit modification, submitted June 15, 2021, has been reviewed and processed in accordance with rules adopted under 327 IAC 5. Enclosed is the draft modification of NPDES Permit No. IN0023795 which applies to the discharge from the Town of Monroe City Wastewater Treatment Plant (WWTP). The enclosed Pages 1, 2, 3, 4, 5, 11, and 32 of 32 are intended to replace the corresponding pages in the facility's current permit.

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit document online at <https://www.in.gov/idem/5474.htm>. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at <https://www.in.gov/idem/6900.htm>. A 30-day comment period is available in order to solicit input from interested parties, including the general public.

Please review this document carefully and become familiar with the proposed terms and conditions. Comments concerning the draft permit should be submitted in accordance with the procedure outlined in the enclosed public notice form. If you have any questions concerning this modification, please contact Rene Lloyd at 317/233-1164 or rlloyd@idem.IN.gov.

Sincerely,

Leigh Voss, Chief
Municipal NPDES Permits Section
Office of Water Quality

Enclosures

cc: Gary Ziegler, Certified Operator
Andrew Utz, Commonwealth Engineers, Inc.

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AMENDED AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq., the "Clean Water Act") or (CWA), and IDEM's authority under IC 13-5, the Indiana Department of Environmental Management (IDEM) is issuing this permit to the

TOWN OF MONROE CITY

hereinafter referred to as "the permittee." The permittee owns and/or operates the **Town of Monroe City Wastewater Treatment Plant**, a minor municipal wastewater treatment plant located at State Route 61, 0.6 miles south of Monroe City, Indiana, Knox County. The permittee is hereby authorized to discharge from the outfalls identified in Part I of this permit to receiving waters named Wilson Creek in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in the permit. This permit may be revoked for the nonpayment of applicable fees in accordance with IC 13-18-20.

The permit, as issued on June 20, 2019 is hereby amended as contained herein. The amended provisions shall become effective on _____. All terms and conditions of the permit not modified at this time remain in effect. Further, any existing condition or term affected by the modifications will remain in effect until the modified provisions become effective.

This permit and authorization to discharge, as amended, shall expire at midnight, August 31, 2024. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Indiana Department of Environmental Management no later than 180 days prior to the date of expiration.

Issued on _____ for the Indiana Department of Environmental Management.

Leigh Voss, Chief
Municipal NPDES Permits Section
Office of Water Quality

TREATMENT FACILITY DESCRIPTION

The permittee currently operates a Class I, 0.12 MGD extended aeration treatment facility consisting of an influent lift station with a flow meter, two equalization basins, two aeration basins, ultraviolet light disinfection, and an effluent flow meter. Final solids are applied to sludge drying beds and then are either sent to a landfill or hauled away by a licensed contractor.

The collection system is comprised of 100% separate sanitary sewers by design with no overflow or bypass points.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from the outfall listed below in accordance with the terms and conditions of this permit. The permittee shall take samples and measurements at a location representative of each discharge to determine whether the effluent limitations have been met. Refer to Part I.B of this permit for additional monitoring and reporting requirements.

- Beginning on the effective date of this permit, the permittee is authorized to discharge from Outfall 001, which is located at Latitude: 38° 35' 54" N, Longitude: 87° 20' 48" W. The discharge is subject to the following requirements:

TABLE 1

Parameter	Quantity or Loading			Quality or Concentration			Monitoring Requirements	
	Monthly Average	Weekly Average	Units	Monthly Average	Weekly Average	Units	Measurement Frequency	Sample Type
Flow [1]	Report	----	MGD	----	----	----	5 X Weekly	24-Hr. Total
CBOD ₅	10	15	lbs/day	10	15	mg/l	2 X Weekly	24-Hr. Comp.
TSS	10	15	lbs/day	10	15	mg/l	2 X Weekly	24-Hr. Comp.
Ammonia-nitrogen								
Summer [2]	1.21	1.82	lbs/day	1.21	1.82	mg/l	2 X Weekly	24-Hr. Comp.
Winter [3]	1.82	2.73	lbs/day	1.82	2.73	mg/l	2 X Weekly	24-Hr. Comp.

TABLE 2

Parameter	Quality or Concentration				Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Units	Measurement Frequency	Sample Type
pH [4]	6.0	----	9.0	s.u.	5 X Weekly	Grab
Dissolved Oxygen [5]						
Summer [2]	6.0	----	----	mg/l	5 X Weekly	2 Grabs/24-Hrs.
Winter [3]	5.0	----	----	mg/l	5 X Weekly	2 Grabs/24-Hrs.
<i>E.coli</i> [6]	----	125 [7]	235 [8]	cfu/100 ml	2 X Weekly	Grab

- [1] Effluent flow measurement is required per 327 IAC 5-2-13. The flow meter(s) shall be calibrated at least once every twelve months.
- [2] Summer limitations apply from May 1 through November 30 of each year.
- [3] Winter limitations apply from December 1 through April 30 of each year.
- [4] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Report of Operation forms.
- [5] The daily minimum concentration of dissolved oxygen in the effluent shall be reported as the arithmetic mean determined by summation of the two (2) daily grab sample results divided by the number of daily grab samples. These samples are to be collected over equal time intervals.
- [6] The *Escherichia coli* (*E. coli*) limitations apply from April 1 through October 31 annually.
- [7] The monthly average *E. coli* value shall be calculated as a geometric mean. Per 327 IAC 5-10-6, the concentration of *E. coli* shall not exceed one hundred twenty-five (125) cfu or mpn per 100 milliliters as a geometric mean of the effluent samples taken in a calendar month. No samples may be excluded when calculating the monthly geometric mean.
- [8] If less than ten samples are taken and analyzed for *E. coli* in a calendar month, no samples may exceed two hundred thirty-five (235) cfu or mpn as a daily maximum. However, when ten (10) or more samples are taken and analyzed for *E. coli* in a calendar month, not more than ten percent (10%) of those samples may exceed two hundred thirty-five (235) cfu or mpn as a daily maximum. When calculating ten percent, the result must not be rounded up. In reporting for compliance purposes on the Discharge Monitoring Report (DMR) form, the permittee shall record the highest non-excluded value for the daily maximum.

2. Minimum Narrative Limitations

At all times the discharge from any and all point sources specified within this permit shall not cause receiving waters:

- a. including the mixing zone, to contain substances, materials, floating debris, oil, scum or other pollutants:
 - (1) that will settle to form putrescent or otherwise objectionable deposits;
 - (2) that are in amounts sufficient to be unsightly or deleterious;
 - (3) that produce color, visible oil sheen, odor, or other conditions in such degree as to create a nuisance;
 - (4) which are in amounts sufficient to be acutely toxic to, or to otherwise severely injure or kill aquatic life, other animals, plants, or humans;
 - (5) which are in concentrations or combinations that will cause or contribute to the growth of aquatic plants or algae to such a degree as to create a nuisance, be unsightly, or otherwise impair the designated uses.
- b. outside the mixing zone, to contain substances in concentrations which on the basis of available scientific data are believed to be sufficient to injure, be chronically toxic to, or be carcinogenic, mutagenic, or teratogenic to humans, animals, aquatic life, or plants.

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2. This permit may be modified due to a change in sludge disposal standards pursuant to Section 405(d) of the Clean Water Act, if the standards when promulgated contain different conditions, are otherwise more stringent, or control pollutants not addressed by this permit.
3. This permit may be modified, or, alternately, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 301(b)(2)(C), (D) and (E), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent limitation or standard so issued or approved:
 - a. contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - b. controls any pollutant not limited in the permit.

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**National Pollutant Discharge Elimination System
Briefing Memo for the Town of Monroe City Wastewater
Treatment Plant**

Draft: June 2021

Final: TBD

Indiana Department of Environmental Management

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

Permittee:	Town of Monroe City Mr. Matt Powell, Town Council President P.O. Box 163 Monroe City, IN 47557 Mjpowell71@nwcable.net ; 812-743-2976
Existing Permit Information:	Permit Number: IN0023795 Expiration Date: August 31, 2024
Facility Contact:	Gary A. Ziegler, Operator gaz_ziegler@yahoo.com ; 812-840-0149
Facility Location:	5215 South State Rd. 61 Monroe City, IN Knox County
Receiving Stream:	Wilson Creek
GLI/Non-GLI:	Non-GLI
Proposed Permit Action:	Modification
Date Application Received:	June 15, 2021
Facility Category	NPDES Minor Municipal
Permit Writer:	Rene Lloyd rlloyd@idem.in.gov ; 317-233-1164



	NEW PROCESS PIPING
	EXISTING PROCESS PIPING
	NEW AIR PIPING
	EXISTING AIR PIPING
	EXISTING SLUDGE PIPING



**TOWN OF MONROE CITY
KNOX COUNTY, INDIANA**

**WASTEWATER IMPROVEMENTS
PROJECT**

APRIL 2019

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WITHOUT PERMISSION IS
PROHIBITED

 **Indiana 811**
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(ITS THE LAW)

[illegible]

Designed By: CAL	Drawn By: LJG	Checked By: RMB
Issue Date: APR. 2019	Project No: S18127	Scale: AS SHOWN

NEW PROCESS FLOW SCHEMATIC

Drawing No:
G4
Sheet: 04 OF 50

Outfall Location

Latitude: 38° 35' 54" N
Longitude: 87° 20' 48" W

NPDES Permit No. IN0023795

Background

This is the modification of the NPDES permit for the Town of Monroe City Wastewater Treatment Plant. The facility's current permit was effective on September 1, 2019 and has an expiration date of August 31, 2024. A request for permit modification was received from the permittee on June 15, 2021. The permittee requests a permit modification to reflect the installation of improvements at the facility and the elimination of the Sanitary Sewer Overflow (SSO) #002 from the permit. The facility improvements include a new influent lift station with a flow meter, the conversion of polishing ponds to equalization basins, and the replacement of the chlorine disinfection system with an ultraviolet light disinfection system. A new flow diagram has been included on Page 2 of this briefing memo to reflect the new treatment processes at the facility.

Modification

The following changes have been made for the modification of the NPDES permit:

Page 1 of 32	This page has been modified to reflect the modification effective date for the permit.
Page 2 of 32	This page has been modified to reflect the improvements made to the facility and the removal of the SSO location under the Treatment Facility Description.
Pages 3-5 of 32	These pages have been modified to reflect the removal of the total residual chlorine (TRC) effluent limitations, monitoring requirements, and the footnotes associated with TRC. The remaining footnotes have been renumbered. The permittee no longer uses chlorination for disinfection.
Page 11 of 32	This page has been modified to remove the fourth reopening clause for inclusion of a Method Detection Level (MDL).
Page 32 of 32	This page has been modified to remove the SSO location and monitoring requirements associated with it. The page is now blank.

Expiration Date

The expiration date of the permit has not changed. The permit, as modified, will expire at midnight on August 31, 2024.